

**MCA (SEM- V)**  
**Software Testing**  
**(OCT-16)**

**Q.P. Code : 512801**

(3 Hours)

[ **Total Marks : 100** ]

- N.B. :** (1) Question **No.1** is **compulsory**.  
 (2) Answer **any 4** of the remaining questions  
 (3) **Figures** to the **right** indicate full **marks**.

1. (a) Explain General principles of testing? What must be the psychology of testing? **10**  
 (b) Explain cost and Economy aspects of testing. **10**
2. (a) Explain the difference between verification and validation? Explain how these Activities play role in v- model? **10**  
 (b) Why test cases are prioritized? Mention the criteria for prioritizing the test cases. **10**
3. (a) Explain cause effect graphing and decision table technique with suitable example? **10**  
 (b) What is mean by review? What are the positive effects of review? Explain Work steps involved in review process? **10**
4. (a) Explain the Condition determination testing. Compare with branch condition combination testing and branch condition testing. Give example. **10**  
 (b) Explain the Integration testing in terms of Test object and Test Strategies. **10**
5. (a) Explain test tools in detail for dynamic testing? **10**  
 (b) Explain State transition testing with example? **10**
6. (a) what is Incident Management? Explain Incident reporting and Incident Status Model in detail **10**  
 (b) What are Generic types of Testing? Explain Functional testing v/s non-functional **10**
7. Write short notes (**Any Four**) :-- **20**
  - (a) Software Quality.
  - (b) Data Flow anomaly.
  - (c) Smoke testing and Syntax Testing.
  - (d) Preventive V /s Reactive approach.
  - (e) OO testing.